

IN THE SPECIFICATION:

At page 1, lines 1-7, please amend paragraph as follows:

--This application is a continuation-in-part of U.S. application Serial No. 08/487,596 filed 6/7/95, now issued as U.S. Patent NO: 6,440,681 which is now pending, and which is a continuation-in-part of U.S. application Serial No. 08/149,503, filed November 8, 1993, now ~~pending~~ abandoned; and a continuation-in-part of U.S. application Serial No. 08/028,031, filed March 8, 1993, now abandoned; and a continuation-in-part of U.S. application Serial No. 07/938,154, filed November 30, 1992, now issued as U.S. Patent No. 5,981,193, which is a continuation-in-part of U.S. application Serial No. 07/504,455, filed April 3, 1990, now issued as U.S. Letters ~~Patent~~ Patent No. 5,369,028, each of which is hereby ~~incorpeated~~ by reference incorporated by reference herein in their entirety.—

At page 10, lines 26-34, please amend paragraph as follows

-- As used herein, " α_7 subunit DNA" refers to DNA encoding a neuronal nicotinic acetylcholine receptor subunit of the same name. Such DNA can be characterized in a number of ways, for example, the nucleotides of said DNA may encode the amino acid sequence set forth in ~~SEQ ID No: 8~~ SEQ ID No: 12. Presently preferred α_7 -encoding DNAs can be characterized as DNA which hybridizes under high stringency conditions to the coding sequence set forth in ~~SEQ ID No: 7~~ SEQ ID No: 11 (preferably to substantially the entire coding sequence thereof, i.e., nucleotides 73-1581). Especially preferred α_7 -encoding DNAs of the invention are characterized as having substantially the same nucleotide sequence as the coding sequence set forth in ~~SEQ ID No: 7~~ SEQ ID No: 11 (i.e., nucleotides 73-1581 thereof).--

At page 50, lines 2-29 and page 51, lines 1-8, please amend as follows:

Sequence ID No. 1 is a nucleotide sequence encoding an α_2 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 2 is the amino acid sequence of the α_2 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 1.

Sequence ID No. 3 is a nucleotide sequence encoding an α_3 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 4 is the amino acid sequence of the α_3 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 3.

Sequence ID No. 5 is a nucleotide sequence encoding an α_4 subunit of a human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 6 is the amino acid sequence of the α_4 subunit of a human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 5.

Sequence ID No. 7 is a nucleotide sequence encoding an α_5 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 8 is the amino acid sequence of the α_5 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 7.

Sequence ID No. 9 is a nucleotide sequence encoding an α_6 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 10 is the amino acid sequence of the α_6 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 9.

Sequence ID No. 11 is a nucleotide sequence encoding an α_7 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof ~~is the nucleotide sequence encoding an α_7 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 7.~~

Sequence ID No. 12 is the amino acid sequence of the α_7 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 11.

Sequence ID No. 13 is a nucleotide sequence encoding a β_2 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 14 is the amino acid sequence of the β_2 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ~~ID No. 9~~ ID No.13 .

Sequence ID No. 15 is a nucleotide sequence encoding a β_3 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 16 is the amino acid sequence of the β_3 subunit of human neuronal nicotinic acetylcholine receptor, set forth in Sequence ID No. 15.

Sequence ID No. 17 is a nucleotide sequence encoding a β_4 subunit of human neuronal nicotinic acetylcholine receptor, and the deduced amino acid sequence thereof.

Sequence ID No. 18 is the amino acid sequence of the β_4 subunit of human neuronal nicotinic acetylcholine receptor set forth in Sequence ID No. 17.